REQUEST FOR INFORMATION

Joint Project Manager Information Systems (JPM IS)
Joint Warning and Reporting Network (JWARN) Increment 2
Sensor Connectivity Solutions Products and Technologies

Joint Project Manager Information Systems (JPM IS)

4301 Pacific Highway

San Diego, CA 92110-3127

JWARN Incr 2 Sensor Connectivity Solutions Products and Technologies:
Request for Information (19 June 2012)

Federal Acquisition Regulation (FAR) Part 10 requires the Government to conduct market research before developing new requirements documents for an acquisition. One of the ways the Government conducts market research is to issue a Request for Information (RFI). All responsible businesses, including small businesses, are encouraged to respond to this RFI.

Disclaimer

THIS RFI IS NOT A REQUEST FOR PROPOSAL (RFP) AND IS NOT TO BE CONSTRUED AS A COMMITMENT BY THE GOVERNMENT TO ISSUE A SOLICITATION OR ULTIMATELY AWARD A CONTRACT. RESPONSES WILL NOT BE CONSIDERED AS PROPOSALS NOR WILL ANY AWARD BE MADE AS A RESULT OF THIS RFI. All information contained in the RFI is preliminary as well as subject to modification and is in no way binding on the Government. The Government does not intend to pay for information received in response to this RFI. Responders to this invitation are solely responsible for all expenses associated with responding to this RFI. This RFI is issued solely for information and planning purposes only and does not constitute a solicitation. All information received in this RFI that is marked Proprietary will be handled accordingly. Responses to the RFI will not be returned nor will receipt be confirmed.

Background

The Joint Warning and Reporting Network (JWARN) provides, with a single standardized Chemical, Biological, Radiological and Nuclear (CBRN) Defense (CBRND) monitoring, analysis and response capability, the technology to collect, analyze, identify, locate, report, and disseminate information on CBRN, Toxic Industrial Chemical (TIC) and Toxic Industrial Material (TIM) incidents and environmental hazards to the Joint Forces and Department of Defense (DoD) Incident Commanders. JWARN is compatible and currently integrated with Joint and Service Common Operating Environment (COE) and non-COE-based (tactical) Command and Control (C2) systems. JWARN capabilities, focused on current operations at the tactical and operational levels of warfare, include CBRN situational awareness, basic analysis, warning and reporting to minimize the adverse effects of CBRN and TIC/TIM hazards.

JWARN Increment 1 consists of a software component referred to as the JWARN Mission Application Software (JMAS). JWARN Increment 1 also included requirements for a JWARN Component Interface Device (JCID) however, these JCID requirements were deferred to Increment 2 to allow for improvement of overall sensor connectivity capabilities and options to allow for connectivity of CBRN sensors/detectors to DoD networks. This RFI is in support of an Analysis of Alternatives (AoA) being conducted by U.S. Army Materiel Systems Analysis Activity (USAMSAA) in conjunction with the Joint Requirements Office for Chemical, Biological, Radiological, and Nuclear Defense (JRO-CBRND). The intent is to explore possible hardware currently available from industry that could facilitate connectivity from remote CBRN detectors/sensors to networks and the JWARN Mission Application Software (JMAS).

Current Program Status

Acquisition management for JWARN is provided by the Joint Project Manager for Information Systems (JPM IS), a project office of the Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD). Requirements for JWARN are generated by the Joint Requirements Office for CBRN Defense (JRO-CBRND), working together with the JWARN stakeholders and the JWARN Program Management Office (PMO). The U.S. Army Materiel Systems Analysis Activity (USAMSAA) supports the JRO-CBRND in conducting AoA's to determine appropriate material solutions to meet the needs of the DoD.

Based on requirements contained in the original JWARN Operational Requirements Document (ORD), the Chemical and Biological Defense Program (CBDP) began development and prototyping of science and technology (S&T) for JWARN Increment 2 components in FY05 through a series of Broad Agency Announcements (BAA) managed by the Defense Threat Reduction Agency (DTRA) Joint Science and Technology Office (JSTO). The JPEO-CBD approved the JWARN Increment 2 Materiel Development Decision (MDD) in February 2012 authorizing entry into the Materiel Solution Analysis (MSA) phase of the acquisition process. This RFI is intended to support identifying the appropriate materiel solution for the JWARN Increment 2 sensor connectivity requirements.

Request for Information (RFI)

The U.S. Army Materiel Systems Analysis Activity (USAMSAA), in conjunction with the Joint Requirements Office for Chemical, Biological, Radiological, and Nuclear Defense (JRO-CBRND), is seeking information on hardware and software solutions to provide connectivity from remote CBRN detectors/sensors to the JWARN Mission Application Software (JMAS).

Interested parties are requested to provide a succinct response addressing:

Preface: Company Information
Volume I: Technical Information (25 page maximum)

Preface: Company Information

1. Company Name
2. Designated Point of Contact
    a. Name
    b. Title
    c. Email
    d. Phone
3. Business Type (i.e., Large, Small, SDVOB, Women-owned, etc.)
    a. Annual Revenue (past three years)
    b. CAGE code and DUNS number
    c. Facility Security Clearance
4. Mailing Address

Volume I: Technical Information

Specifically, USAMSAA is requesting information on:

- Sensor Data and Command Translation - Legacy/current CBRN sensors in the field communicate with the network using disparate connection methods and protocols. JMAS Increment 2 will be able to receive sensor data and transmit sensor commands using both the "JWARN Component Interface Device (JCID) to JMAS Interface" (JJI) and the "Common CBRN Sensor Interface" (CCSI) message interface descriptions. The JWARN Connectivity Solution will need to translate between sensor output, including legacy sensors, and the JMAS software installed in a Defense systems environment.

    - For information on CCSI, reference Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD) Software Support Activity (SSA) Common Chemical, Biological, Radiological, and Nuclear (CBRN) Sensor Interface (CCSI) Version 1.1 and the CCSI XML schema (CCS Volume 1, Appendix C) accessible at http://www.jpeocbd.osd.mil/packs/Default.aspx?pg=860.

    - For information on JJI, reference Joint Warning and Reporting Network (JWARN) Phase II, Interface Design Document (IDD) and the JWARN Component Interface Device (JCID) to JMAS Interface (JJI) XML schema (also referred to as the JWARN Technical Data Package (TDP)). Access to the JWARN TDP is limited to:

        1) U.S. DoD Contractors (whether as a prime or subcontractor) who are certified under the Joint Certification Program; AND
        2) Foreign DoD Contractors who have an approved International Traffic in Arms Regulations (ITAR) exemption

        Each Contractor must have a Primary Point of Contact (PPOC) who is responsible for submitting the request. This documentation request must be submitted to the JWARN Incr 2 Contracting Officer Representative (COR). The PPOC shall provide the information in Attachments 1 and 2 below via email to the JWARN Incr 2 COR, Mr. Kevin Kumferman Kevin.Kumferman@jpmis.mil. Access to documents will be provided electronically.

- Sensor Data and Command Communication - The CBRN sensors will usually not be directly wired to a networked computer with JMAS software resident. The JMAS Connectivity Solution will have to transmit data from the sensor or sensor network to the local communications or data networks in order to interact with the JMAS software.

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Describe how your company's solutions are operationally relevant and capable of meeting the Soldier's needs. For any products and/or technologies described, please specify the initial Technology Readiness Level (TRL). (as listed by the Chemical Biological Defense Program (CBDP) Technology Transition Handbook; 20 July 2005).

USAMSAA and the JWARN PMO requests information specifically related to achieving the connectivity of sensors to tactical DoD networks. The list of sensors includes, but is not limited to:

1. Ability to interoperate with sensor systems:
    - Joint Chemical Agent Detector (JCAD)
    - Joint Biological Point Detection System (JBPDS)
    - Joint Biological Tactical Detection System (JBTDS)
    - Common Analytical Laboratory System (CALS)
    - Radiation Detection, Indication, and Computation (RADIAC) AN/VDR-2
    - RADIAC AN/UDR-13/14
    - RADIAC IM-265/PDQ
    - Multifunction Rad Detector System/Hands Free Rad System (MRDS/HFRS)
2. Ability to interoperate with current tactical communication devices SINCGARS/EPLRS and Joint Tactical Radio Systems (JTRS)
3. Physical properties (E.g., size, weight, connection to sensor, power specs, battery requirements)
4. Interoperability with Common Operating Environment (COE)-compliant Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) systems
5. Interoperability with non-COE-compliant C4ISR systems
6. Reliability estimates with supporting documentation and/or methodology information
7. Any technical recommendations relative to the design and development of such a device
8. Non-binding, rough order of magnitude cost and schedule information or estimates for the potential acquisition, integration, test, and deployment of such a device
9. Any additional information believed to be helpful to the Government in assessing potential solutions (e.g. if proposed solution is available under an existing GWAC)

Response Instructions

Response Format

Responses must be submitted in Microsoft Word format. RFI responses are limited to 25 pages, not including the preface and shall be delivered using 12 font or larger.

Submission Instructions and Deadline

Responses are requested no later than 20 August 2012 at 16:00 PDT. Responses shall be submitted to SPAWAR electronically via the SPAWAR E-Commerce Central (E-CC) website, located at: https://e-commerce.spawar.navy.mil.

Questions

Questions regarding this announcement shall be submitted in writing via the e-Commerce Central website. Government responses to questions will be posted to the E-CC website. Questions shall NOT contain proprietary or classified information. To access the SPAWAR E-Commerce Central website, go to URL https://e-commerce.sscno.nmci.navy.mil/, click on Headquarters, then Market Surveys. Interested parties are invited to subscribe to the website to ensure they receive any important information updates connected with this RFI.

Proprietary Data

Proprietary information, if any, must be clearly marked. Proprietary information is not desired; however, if proprietary information is submitted, it should be marked as such and segregated. Please be advised that all submissions become Government property and will not be returned. It should be noted that telephone replies will not be accepted. Failure to respond to this RFI does not preclude participation in any future competition for this requirement, nor will information provided in response to this RFI be used to exclude anyone from responding to any future RFPs.

Contractor Support Notice

The Program Office intends to utilize contractor support in its review of RFI responses. The support contractors have submitted non-compete letters and non-disclosure agreements for the future JWARN Incr 2 development efforts. Respondents that additionally wish to execute Proprietary Data Protection Agreements (PDPA) and/or Non-Disclosure Agreements with JWARN support contractors working this RFI must contact the following points of contact, and conclude the agreements prior to the deadline for submission:

Company: Battelle Memorial Institute
POC: Mike Nichols
Telephone: (619) 221-7711
E-Mail: mike.nichols@jpmis.mil

Company: Booz Allen Hamilton
POC: Aaron Tuch
Telephone: (619) 221-7212

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E-Mail: aaron.tuch.ctr@navy.mil

Attachment 1: JWARN TDP Request Form

A complete NDA for each user must accompany submittal of the below information to the JWARN Program Manager to request the JWARN TDP.

PPOC Name:

PPOC Corporate Email:

PPOC Telephone Number:

Company Name:

Company is US or Foreign owned.

Company JCP Certification Number:

Company Address:

Company CAGE Code:

Company DUNS Number:

Additional User's Information:

	Name	Corporate Email Address	Telephone Number	Company / CAGE Code	Citizenship	JCP Certification Number
1					U.S. ☐ Foreign ☐_____	
2					U.S. ☐ Foreign ☐_____	
3					U.S. ☐ Foreign ☐_____	
4					U.S. ☐ Foreign ☐_____	

Attachment 2: JWARN Technical Data Package (TDP) Non-Disclosure Agreement (NDA)

As used herein, JWARN Incr 2 Technical Data Package (TDP) refers collectively to technical documentation provided concerning the JWARN Increment 2 Sensor Connectivity Solutions Products and Technologies RFI.

Insert Company Name agrees to not disseminate the TDP to third parties.

Insert Company Name agrees that use of the TDP is limited to that use which is required to assist with responding to the JWARN Increment 2 Sensor Connectivity Solutions Products and Technologies RFI.

Insert Company Name agrees that the TDP shall not be used for commercial purpose.

Name of Authorized Company Official:

e-Signature:

X

Authorized Company Official

Company:

Company Address: